

**Amendments to the Specification:**

*On page 1, after the title, insert the following new paragraph:*

**CROSS-REFERENCE TO RELATED APPLICATION**

This application claims priority to PCT Appln. No. PCT/EP2004/002214 filed March 4, 2004, and to German application 10 311 723.7 filed March 17, 2003.

*At page 1, line 2, please add the following heading and subheading as shown below:*

**BACKGROUND OF THE INVENTION**

1. Field of the Invention

*At page 1, line 6, please add the following subheading as shown below:*

2. Description of the Related Art

*At page 5, line 13, please amend the paragraph as shown below:*

WO 00/04069 and WO 02/068419 describe prepolymer mixtures comprising alkoxy silane-terminated prepolymers for producing rigid spray foams. These are polymers having an organic backbone which generally has a conventional polyurethane structure. This can be formed by reaction of customary diisocyanates with polyols. If an appropriate excess of diisocyanates is used in this first reaction step, isocyanate-terminated prepolymers are obtained. These can then be reacted with aminopropyltrimethoxysilane derivatives in a second reaction step to form the desired alkoxy silane-terminated polyurethane prepolymers. In WO 02/068419

02/068419, a specific reactive diluent is additionally added to this silane-terminated prepolymer. The prepolymers and any reactive diluents present can condense with one another in the presence of a suitable catalyst and of water with elimination of methanol and as a result cure. The water can be added as such or can originate from contact with atmospheric moisture. Both 1K and 2K foams can thus be produced using such a system.

*At page 8, line 12, please add the heading as shown below:*

### SUMMARY OF THE INVENTION

*At page 8, line 13, please amend the paragraph as shown below:*

It is therefore an object of the present invention to provide isocyanate-free prepolymer mixtures which are suitable for producing spray foams and can be foamed using hydrocarbons as blowing agents. This and other objects are surprisingly achieved through the use of prepolymers in which a substantial portion of end groups of the prepolymer are non-polar groups, preferably non-polar hydrocarbon groups. Through the presence of these groups, greater compatability with the blowing agent is obtained.

*At page 8, at line 17, please add the following headings and paragraphs as shown below:*

### BRIEF DESCRIPTION OF THE DRAWINGS

FIGURE 1 depicts a model join 1 which can be made of wood or cardboard and has a width and depth of 5 cm in each case.

FIGURE 2 depicts a model join 2 which consists of 2 wooden boards (3) having the dimensions 1 x 15 x 15 cm and 2 plastic beams (4) having dimensions of 2 x 2 x 17 cm.

## DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT(S)

*At page 19, line 35 please amend the paragraph as follows:*

~~Figures 1 and 2 serve to illustrate some of the examples.~~

~~Fig. 1 depicts a model join 1 which can be made of wood or cardboard and has a width and depth of 5 cm in each case.~~

*At page 20, line 1, please amend the paragraph as follows:*

~~Fig. 2 depicts a model join 2 which consists of 2 wooden boards (3) having the dimensions 1 x 15 x 15 cm and 2 plastic beams (4) having dimensions of 2 x 2 x 17 cm.~~